AOIT Computer Networking

Lesson 1

Course Introduction

Student Resources

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| Resource | Description |
| Student Resource 1.1 | Anticipation Guide: Computer Networking |
| Student Resource 1.2 | Taxonomy: Computer Networking Terms |

Student Resource 1.1

Anticipation Guide: Computer Networking

Student Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_

Welcome to the AOITComputer Networkingcourse!Over the next few months, you’ll learn a great deal about the job of a computer network administrator. Perhaps even more important, you’ll learn and practice real-life computer networking skills that you can use today, such as creating and troubleshooting a simple network and choosing security and virus protection tools.

This is a hands-on course. That means you’ll not only learn facts and concepts but also have lots of opportunities to practice what you learn, including creating your own local area network (LAN) as well as a collaboration platform. You’ll also get to meet a number of professionals in the field. They will give you a great chance to find out if networking or related professions such as network programming/analysis or network management are careers you’d be interested in pursuing.

Directions: For each of the statements below, underline “I agree” if you think the statement is accurate and “I disagree” if you disagree with it. Write one reason to explain your guess.

|  |  |
| --- | --- |
| All digital systems are binary and use only two kinds of signals to convey messages. | |
| My guess: | I agree I disagree |
| My reason: |  |
| I learned: |  |
| Computers can use only one address to identify themselves on a network. | |
| My guess: | I agree I disagree |
| My reason: |  |
| I learned: |  |
| You can’t share files with people unless your computer is connected to the Internet. | |
| My guess: | I agree I disagree |
| My reason: |  |
| I learned: |  |

|  |  |
| --- | --- |
| In a big company network, the network administrators can see which websites employees visit without actually sitting down at any employee’s computer. | |
| My guess: | I agree I disagree |
| My reason: |  |
| I learned: |  |
| **To set up a network properly, network administrators need to know about many different kinds of devices besides computers.** | |
| My guess: | I agree I disagree |
| My reason: |  |
| I learned: |  |
| Any computer can be a server and provide services like hosting a website on the Internet. | |
| My guess: | I agree I disagree |
| My reason: |  |
| I learned: |  |
| Using a wireless hotspot at a coffee shop to log in to a bank account is safe, as long as no one can peek over your shoulder at your computer screen. | |
| My guess: | I agree I disagree |
| My reason: |  |
| I learned: |  |

Student Resource 1.2

Taxonomy: Computer Networking Terms

Student Name: Date:

Directions: Think of terms related to computer systems. List them in alphabetical order.

|  |  |
| --- | --- |
| **A** |  |
| **B** |  |
| **C** |  |
| **D** |  |
| **E** |  |
| **F** |  |
| **G** |  |
| **H** |  |
| **I** |  |
| **J** |  |
| **K** |  |
| **L** |  |
| **M** |  |
| **N** |  |
| **O** |  |
| **P** |  |
| **Q** |  |
| **R** |  |
| **S** |  |
| **T** |  |
| **U** |  |
| **V** |  |
| **W** |  |
| **X** |  |
| **Y** |  |
| **Z** |  |